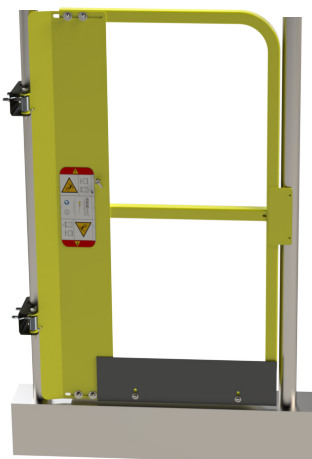


EDGEHALT®

Full Height Ladder Safety Gate



Installation Instructions/Operation and Maintenance Manual



Models:

All Models

Table of Contents:

Safety Precautions	2
Product Information	2
Operation	3
Standard 2" O.D. Railing Installation	4
Installation on Angle Iron Railing	6
Installation on Flat Bar or Wall Surface	7
Replacement Parts	8
Inspection and Maintenance	9
Warranty Certificate	10

Contact Information

Mail

PS Safety Access
1150 South 48th Street
Grand Forks, ND 58201

Local Phone

701.746.4519

Website

pssafetyaccess.com

Hours of Operation

8 A.M. to 5 P.M. CT
Monday – Friday

Toll Free Phone

877.446.1519

Email

4psinfo@psindustries.com

IMPORTANT! Read entire Instruction and Operations Manual to become familiar with the product.

NOTICE This product is a fall protection product. The effectiveness of the product is directly related to the proper installation and operation of this product. Failure to properly maintain this product **will** affect performance.

Publication Notice

This manual has been compiled and published covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

PS Safety Access™ reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

PS Safety Access and/or its respective suppliers may make improvements and/or changes in the product(s)/ service(s) offered and/or the program(s) at any time without notice.

Retain this manual for future reference.

If you would like to download a copy of this manual, please go to pssafetyaccess.com

Product registration is an essential step to protecting your product, register Online at psindustries.com/contact/register-your-product/



Safety Precautions

The following icons are used throughout this Manual.

- ▲ DANGER** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
- ▲ WARNING** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
- ▲ CAUTION** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderated injury.
- NOTICE** Indicates manufacturer's statement of additional information.
- IMPORTANT!** Indicates a required action.
- CRITICAL** Indicates a vital component to product performance.

Product Information

NOTICE Unauthorized modification of or to the Product voids this Limited Warranty. Authorized modifications, received in writing from PS Industries® Incorporated, as long as the modification is accomplished in strict accordance with PS Industries' instructions, does not void warranty. If this product is modified or altered without manufactures permission, manufacturer is no longer responsible for the product design, engineering, or performance and owner assumes all responsibility. To request product modifications contact PS Industries Incorporated, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com

I. General Information

- A. This manual contains information regarding installation, operation, and maintenance of the PS Safety Access' EdgeHalt® Full Height Ladder Safety Gate.
- B. PS Safety Access recommends that the owner implement a regular preventative maintenance program to inspect and maintain the Safety Gate at a minimum, in accordance with the recommendations in this manual.

II. Operation Guidelines

- A. The Full Height Ladder Safety Gate is designed to meet:
 - 1. OSHA Railing Standard OSHA 1910.29(b).
- B. Operation in a manner other than intended could result in damage or less than acceptable performance at time of need, for which the manufacturer will not be held responsible.
- C. The Full Height Ladder Safety Gate is adjustable to fit most openings from 18" to 36" (different models apply for each opening size).

III. Safety Precautions

- A. Ensure opening is clear of all obstructions through the entire proposed travel of the Full Height Ladder Safety Gate during operation.
- B. Comply with all OSHA and ANSI Safety Regulations and/or company safety policies when installing.
- ▲ DANGER** Ensure area below installation is blocked off from personnel during installation, and mounting surface is capable of supporting all loading. Structural analysis of mounting surface is the responsibility of the owner.

IV. Storage Prior to Installation of Product

- A. Store materials in a dry, ventilated location. If outdoor storage is required, block materials and tarp in a tent-like arrangement, elevated above the product with open sides to allow airflow.

V. Installation Site Preparation

- NOTICE** Before starting site preparation and installation of the Full Height Ladder Safety Gate, read the entire Operation and Maintenance Manual and review Approved for Construction Drawings and all additional installation instructions thoroughly.
- A. Clear work area of any debris.
 - B. Ensure you have the necessary tools available.
 - C. Obtain all required permits.
 - D. Personnel: Determine the appropriate number of personnel required to perform installation and have them readily available at the project site (1-2 people recommended).
 - E. Ensure all installation personnel utilize appropriate fall protection equipment and procedures during installation.

Product Information

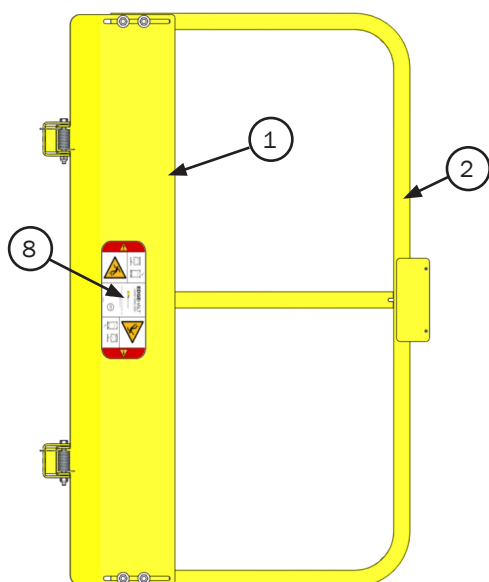
VI. Recommended Tools for Installation:

A. Tools:

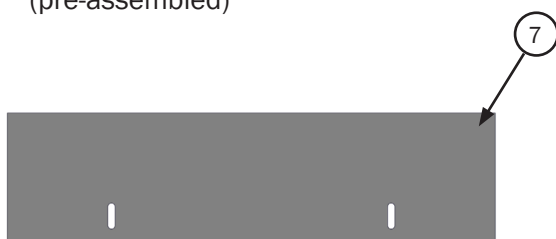
1. One (1) $\frac{1}{2}$ " Deep-well Socket and Ratchet
2. One (1) Wrench Set
3. One (1) Tape Measure
4. One (1) Torque Wrench
5. One (1) Impact Driver w/ $\frac{3}{8}$ " Nut Driver
6. Depending on anchoring configuration, additional tools may be required.

VII. Full Height Ladder Safety Gate Parts List

- A. Review inventory to ensure all parts are present for assembly/installation. Refer to parts list below.



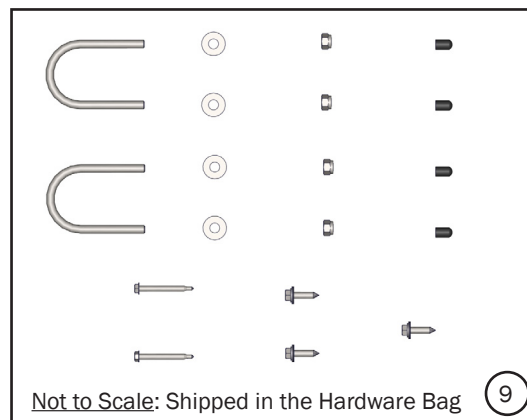
(1) Full Height Ladder Safety Gate
(pre-assembled)



Full Height Ladder Safety Gate Part List (As shipped)

ITEM #	DESCRIPTION	QTY
1*	LSGF;HINGE PLATE ASM	1
2*	LSGF;HOOPWELD	1
3*	WASHER;FLAT 5/16"	4
4*	BOLT;CARRIAGE 5/16"	4
5*	NUT;NYLOCK 5/16"	4
6*	LSG;BUMPER .25X1X5.75 PSA	1
7	LSGF;TOE BOARD	1
8*	DECAL;LSG ANSI DANGER	1
9	LSGF;HARDWARE BAG	1

*Item Numbers 1-6 come pre-assembled.



VIII. Operation

A. When ascending a ladder/entering the elevated platform:

1. When the gate opening is reached, obtain a firm grip on the railing or ladder.
2. Step through gate.
3. DO NOT USE THE FULL HEIGHT LADDER SAFETY GATE AS A GRAB SURFACE.

B. When descending a ladder/exiting the elevated platform.

1. Open the Full Height Ladder Safety Gate and obtain firm grip on railing.
2. Maneuver yourself into the proper ladder descending position. DO NOT USE THE FULL HEIGHT LADDER SAFETY GATE AS A GRAB SURFACE.
3. Always maintain a firm grip on the railing or ladder.

Standard 2" O.D. Railing Installation

IX. Standard 2" O.D. Railing Installation

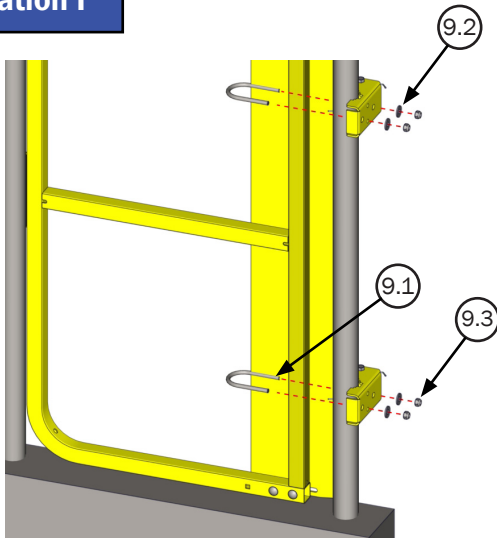
A. Railings up to 2" O.D. round or 1 1/2" x 1 1/2" square.

STEP 1. Loosely attach the Ladder Safety Gate to the railing with the 5/16" U-bolts.

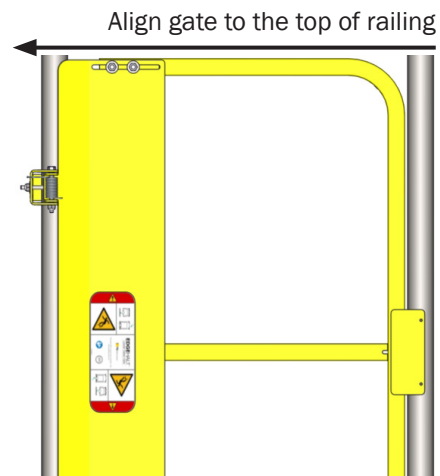
CRITICAL Do not tighten, additional adjustment may be required.

STEP 2. Adjust top of Ladder Safety Gate to align with top of railing.

**Step 1
Illustration I**



**Step 2
Illustration I**

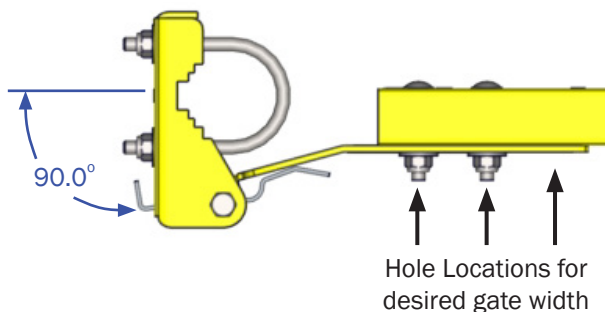


STEP 3. Align railing/mounting bracket to be perpendicular (90°) to Ladder Safety Gate opening,
a. Tighten the 5/16" U-bolts.

STEP 4. Adjust hoop/gate arm to proper opening width by selecting any combination of two (2) of the three (3) carriage bolt holes at connection point of hinge plate and hoop/gate arms.
a. Ensure stop plate overlaps and contacts adjacent vertical column of railing system allowing for 1/4" maximum clearance.

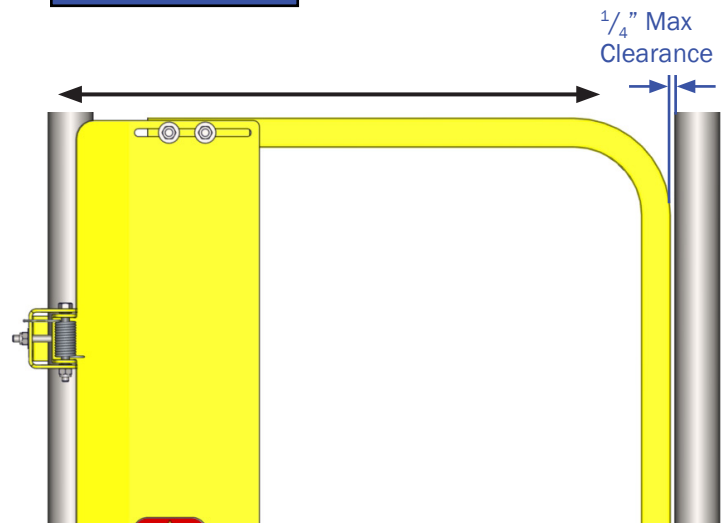
**Step 3
Illustration I**

TOP VIEW



**Step 4
Illustration I**

FRONT VIEW



CRITICAL VERIFY INSTALLATION

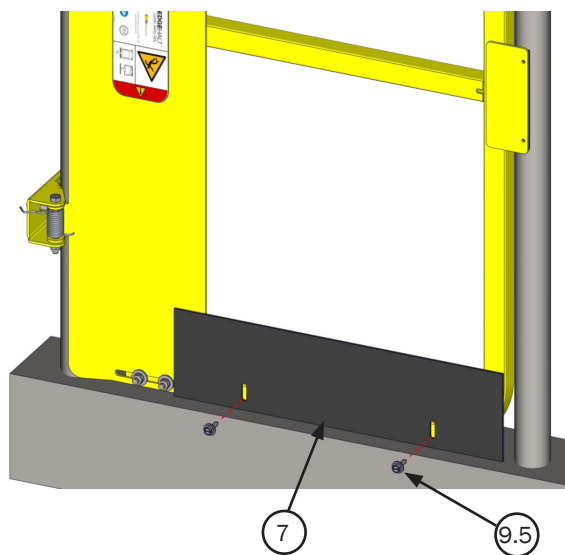
1. Ensure all bolts/nuts are tight.
2. Operate gate to ensure free movement.

Standard 2" O.D. Railing Installation

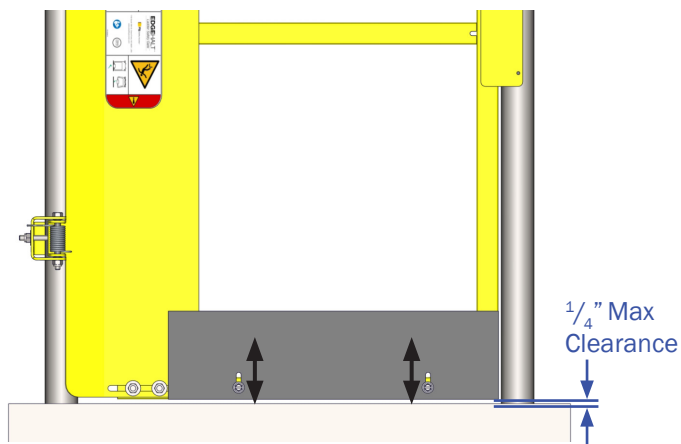
STEP 5. Using the #14 Hex Screws, attach the toe board flush to the bottom of the gate.
a. Trim toe board as needed to fit flat.

STEP 6. Adjust toe board allowing for a $\frac{1}{4}$ " maximum clearance above floor surface .

Step 5
Illustration I



Step 6
Illustration I

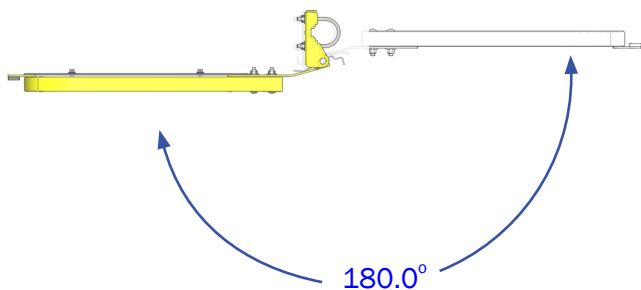


STEP 7. Operate the gate through full swing range to check for proper alignment.

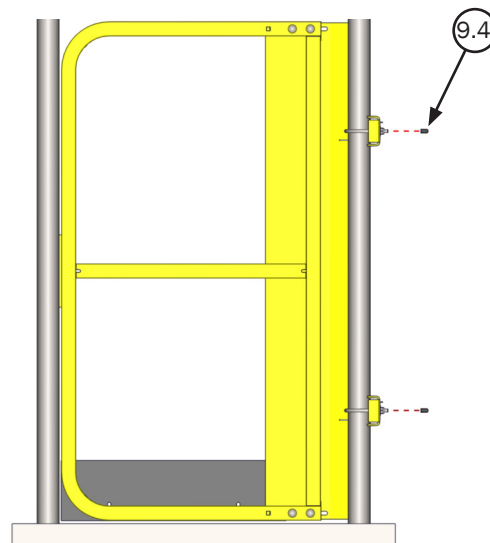
STEP 8. Tighten $\frac{5}{16}$ " U-bolts in final position.
a. OPTIONAL: Install plastic protective thread caps.

▲ WARNING Tighten each U-bolt to 20 ft*lbs of torque and field verify for adequate attachment.

Step 7
Illustration I



Step 8
Illustration I



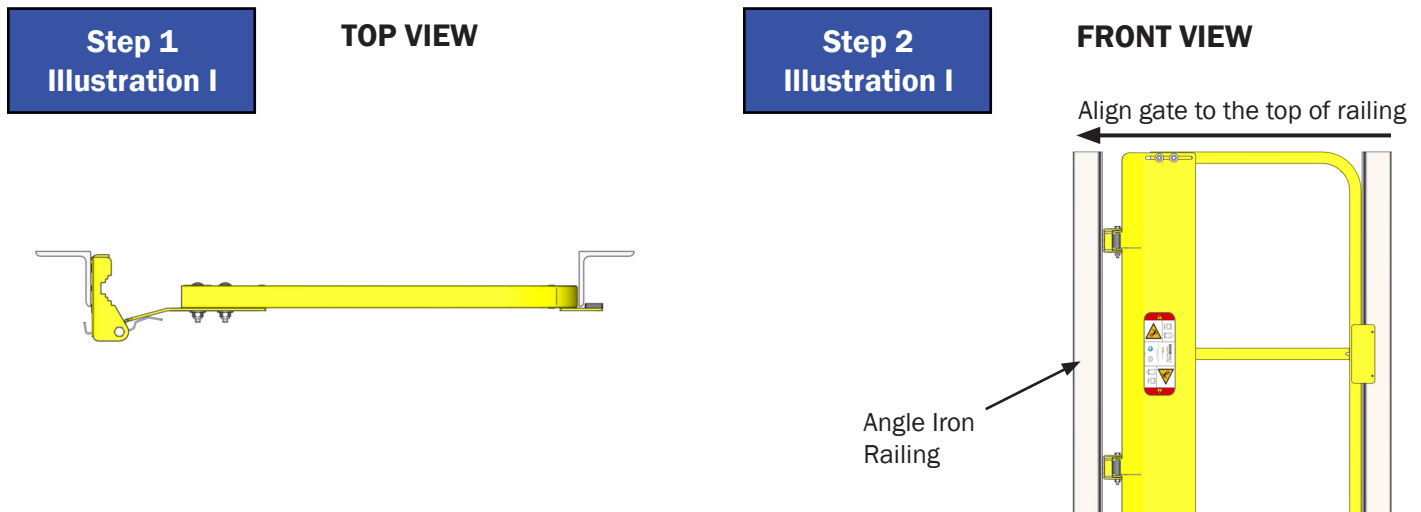
Installation on Angle Iron Railing

X. Installation on Angle Iron Railing (supplied by the installer)

NOTICE If mounting your Ladder Safety Gate to angle iron railing: Gate bolts directly to existing railing (see below installation instructions). If you do not wish to drill into your existing railing system, call PS Safety Access at 877.446.1519 to order a “no drill” adapter bracket.

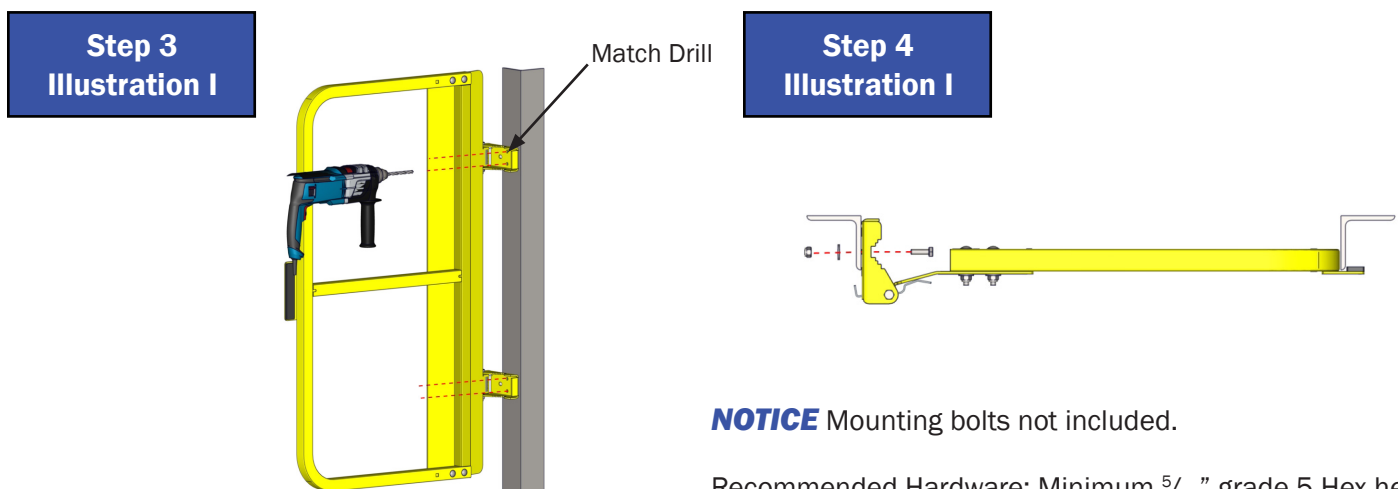
STEP 1. Align the Full Height Ladder Safety Gate Railing Bracket flush to the inside of the angle iron.

STEP 2. Adjust top of Ladder Safety Gate to align with top of railing.



STEP 3. Match drill $\frac{3}{8}$ " holes into the railing (one (1) per Railing Bracket).
 a. If no railing, adjust top of hoop/gate arm to 42" above walking surface.

STEP 4. Insert appropriate mounting bolts through Railing Brackets into angle iron railing (Mounting bolts provided by the Installer).
 a. Loosely attach the Ladder Safety Gate to the angle iron.



NOTICE Mounting bolts not included.

Recommended Hardware: Minimum $\frac{5}{16}$ " grade 5 Hex head bolts of appropriate length with washers and self-locking nuts.

NOTICE Rest of Gate not shown.

STEP 5. Refer to STEPS 4-8 on Page 4 and 5 for remainder of installation

IMPORTANT! If no stop surface is available for the stop plate to rest against, install stop surface (Provided by the Installer), using appropriate anchoring hardware and material, to align with the stop plate.

Installation on Flat Bar Railing or Wall Surface

XI. Installation on Flat Bar Railing or Flat Wall Surface (supplied by the installer)

NOTICE If mounting your Ladder Safety Gate to flat bar railing: Gate bolts directly to existing railing (see below installation instructions). If you do not wish to drill into your existing railing system, call PS Safety Access at 877.446.1519 to order a “no drill” adapter bracket.

STEP 1. Align the Full Height Ladder Safety Gate Railing Bracket flush to the flat bar/flat wall.

STEP 2. Adjust top of Ladder Safety Gate to align with top of railing.

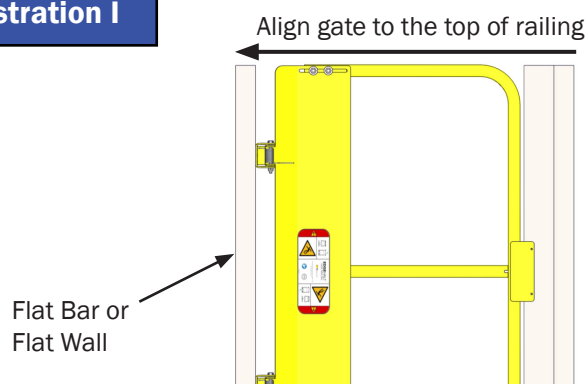
**Step 1
Illustration I**

TOP VIEW



**Step 2
Illustration I**

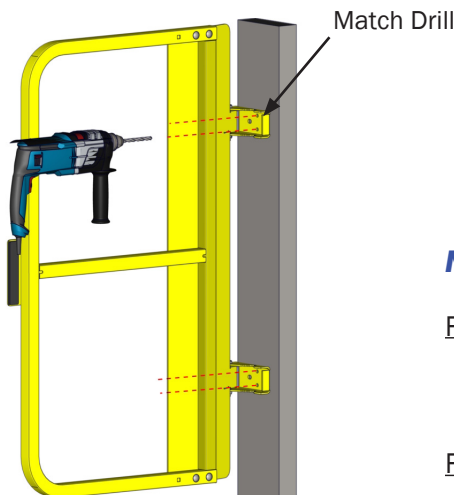
FRONT VIEW



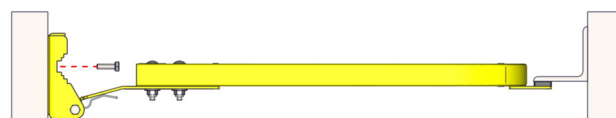
STEP 3. Match drill $\frac{3}{8}$ " holes into the railing (one (1) per Railing Bracket).
a. If no railing, adjust top of hoop/gate arm to 42" above walking surface.

STEP 4. Insert appropriate mounting bolts through Railing Brackets into flat bar railing (Mounting bolts provided by the Installer).
a. Loosely attach the Ladder Safety Gate to the flat bar/flat wall.

**Step 3
Illustration I**



**Step 4
Illustration I**



NOTICE Mounting bolts not included.

Recommended Hardware for mounting to Flat Bar Railing:

Minimum $\frac{5}{16}$ " grade 5 Hex head bolts of appropriate length with washers and self-locking nuts.

Recommended Hardware for mounting to Flat Wall

Surface: Minimum use mechanical or chemical fastener, sized appropriate, for mounting material and loading requirements.

NOTICE Rest of Gate not shown.

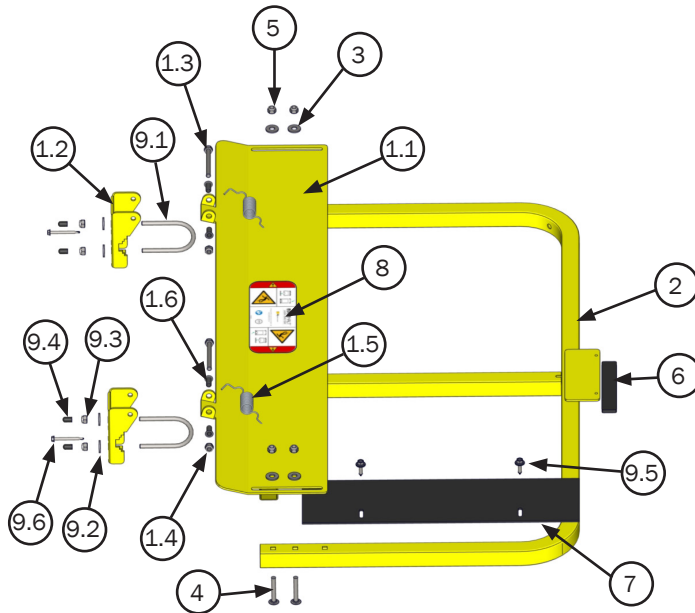
STEP 5. Refer to STEPS 4-8 on Page 4 and 5 for remainder of installation

IMPORTANT! If no stop surface is available for the stop plate to rest against, install stop surface (Provided by the Installer), using appropriate anchoring hardware and material, to align with the stop plate.

Replacement Parts List

XII. Replacement Parts List

- A. The Full Height Ladder Safety Gate is shipped fully assembled. Diagram is for part identification only.
 B. This Replacement Parts Diagram is for PCY/GAL/SS Models.



Finish Options	
SS	Stainless Steel
PCY	Powder Coat Safety Yellow
GAL	Hot Dipped Galvanized

Mounting hardware for all Stainless Steel gates is type 316 alloy

*For replacement springs, order Torsion Spring Kit (part #511686.) Kit includes (1)LSG Torsion Spring, (2)Bushings and Installation Instructions.

**TO ORDER PARTS CONTACT PS SAFETY ACCESS AT
 877.446.1519 or 4psinfo@psindustries.com**

ITEM #	DESCRIPTION	QTY	Gate Finish Type		
			SS	PCY	GAL
1	LSGF;HINGE PLATE ASM	1	513198	513158	511898
1.1	LSGF;HINGE PLATE	1	513197	513157	511897
1.2	LSG;RAILING BRACKET	2	501007	501006	501004
1.3	BOLT;HEX5/16"18X3"	2	500433	500431	500431
1.4	NUT;NYLOCK 5/16"-18	2	501121	501126	501126
1.5	LSG;TORSION SPRING, ST. STL**	2	501659	501659	501659
1.6	BEARING;G300 FLANGE, .3125ID	4	509753	509753	509753
2	LSGF;HOOPWELD	1	PART # DEPENDENT ON SIZE OF GATE. CONSULT FACTORY.		
3	WASHER;FLAT 5/16"	4	501948	501949	501949
4	BOLT;CARRIAGE5/16"18X2"	4	509980	500326	500326
5	NUT;NYLOCK 5/16"18	2	501121	501126	501126
6	LSG;BUMPER .25X1X5.75 PSA	1	514398	514398	514398
7	LSGF;TOE BOARD	1	PART # DEPENDENT ON SIZE OF GATE. CONSULT FACTORY.		
8	DECAL;LSG ANSI DANGER	1	500569	500569	500569
9	LSGF;HARDWARE BAG	1	513199	511899	511899
9.1	BOLT;U 5/16"18X1-1/2" PIPE	2	500459	500461	500461
9.2	WASHER, FLAT 5/16"	4	501948	501949	501949
9.3	NUT;NYLOCK 5/16"-18	4	501121	501126	501126
9.4	LSG;CAP PLASTIC FOR 5/16 BOLT	4	500932	500932	500932
9.5	SCREW;HEXDWSHRSEAL#14-14.1	3	503745	503745	503745
9.6	SCREW;HEXDRIILL 14X2	2	506072	506020	506020

Inspection and Maintenance

XIII. Inspection and Maintenance

- A. Environmental conditions may affect the maintenance and repair requirements of the product, and recommended preventative maintenance frequency.
- B. If any of the inspection items are found to not meet the standard IMMEDIATELY “TAG OUT” the EdgeHalt® Full Height Ladder Safety Gate removing it from active use and guard the opening until repairs are completed.

NOTICE PS Safety Access recommends that the owner implement a regular and preventative maintenance program to inspect and maintain Full Height Ladder Safety Gate at a minimum, in accordance with the recommendations in the table below.

▲ WARNING While performing maintenance and inspection ensure personnel utilize appropriate fall protection equipment and procedures.

Recommended Preventative Maintenance					
ITEM	FREQUENCY	ITEM DESCRIPTION	WHAT TO INSPECT	STANDARD	REPAIR ACTION
1	Each Use	General Housekeeping	Opening	Opening must be kept free of debris and obstructions.	Always keep area clean.
2	Weekly	Gate	Gate for corrosion or damage.	To protect the structural integrity and provide engineered safety protection.	Touch up finishes, or refinish as necessary.
			Welds	Welds are intact without visible cracks or crazing.	Repair or Replace component immediately.
			Gate alignment and free movement.	Gate must move freely without any interference; proper alignment with catch.,	Adjust gate as necessary.
3	Monthly	Structural Attachment	All Fasteners (Structural Attachment)	Fasteners must be present and be Snug Tight; connections pulled into firm contact by the fastener, no gaps between material.	Tighten fasteners to snug tight. Replace any missing fasteners.
4	Monthly	Labels	All labels	Manufacturer's labels in place and legible.	Replace. Contact manufacturer for FREE replacement labels.
5	After Installation	Installation Integrity	Structural integrity of gate and mounting structure.	Ensure product meets applicable safety codes and loading requirements.	Ensure all installation steps were followed completely.

PS INDUSTRIES® INCORPORATED – LIMITED WARRANTY

Limited Warranty: Subject to the terms of this Limited Warranty, PS Industries® Incorporated warrants to the original user or consumer (the "Owner") of a PS Industries product (the "Product") that, for a period of one (1) year from date of shipment, the Product will be free from defects in material and workmanship under normal use and service, and provided the Product is installed, operated and maintained in accordance with instructions supplied by PS Industries. The terms and limitations of this Limited Warranty apply to all repaired or replacement Products for a term equal to the balance of the warranty remaining on the Product that was repaired or replaced as of the date of such repair or replacement. Register online at: www.psindustries.com/contact/register-your-product

PS Flood Barriers™ Product Warranty Registration: For PS Flood Barriers™ Products, this Limited Warranty will only be valid if the Owner completes the Warranty Registration Form provided within thirty (30) days of Product installation. To request a copy of the Warranty Registration Form, contact PS Industries Incorporated, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com. Register online at: www.psindustries.com/contact/register-your-product/ Additional Warranty Registration Forms can be downloaded at www.psfloodbarriers.com/download-center/

Warranty Exclusions: Notwithstanding anything to the contrary, this Limited Warranty does not cover any of the following:

1. Normal wear and tear (including, but not limited to, normal wear and tear to gaskets and weather seals); damage or accidents resulting from freight damage, from failure to follow precautionary safety measures, or applied paint failure; abuse, misuse or unauthorized modification of the Product; misapplication; improper installation; or any defects, damage or other harm that is not the result of the acts or omissions of PS Industries.
2. Cost of field labor or other charges incurred by Owner in removing and/or re-affixing the Product or any part or component thereof.
3. Transportation costs.

Unauthorized modification of or to the Product voids this Limited Warranty. Authorized modifications, received in writing from PS Industries, as long as the modification is accomplished in strict accordance with PS Industries' instructions, does not void warranty. To request product modifications contact PS Industries, 1150 S. 48th Street, Grand Forks, ND 58201, phone 877-446-1519, email: 4psinfo@psindustries.com.

Claim Procedure: To make a claim under this Limited Warranty, the claim must be received by PS Industries before the expiration of the above stated Limited Warranty period together with proof of purchase. Contact PS Industries at the address shown below.

PS Industries Incorporated	Toll Free: 877-446-1519
Attention: Warranty	Phone: 701-746-4519
1150 S. 48th Street	Fax: 701-746-8340
Grand Forks, ND 58201	E-mail: 4psinfo@psindustries.com

An authorized PS Industries representative must be given a reasonable opportunity to inspect and investigate the alleged Product defect prior to any work being done that affects the Product or its installation. PS Industries reserves the right to charge reasonable amounts for travel and labor associated with investigation of claims. PS Industries may also require photographs of the alleged Product defect or return of the Product or part to a designated PS Industries location, freight prepaid. A return goods authorization must be received prior to the return of the Product or part. Please contact PS Industries to determine the designated location for return and to obtain the return material authorization.

Exclusive Remedy: In the event of a warranty claim that PS Industries determines to be covered by this Limited Warranty, PS Industries will replace or repair, at PS Industries' discretion, the Product or any part of the Product found to be defective.

Disclaimers: The above warranty and remedy is the sole express warranty and remedy given by PS Industries on its Product. No warranties or representations at any time made by any representative from PS Industries shall vary or expand the provisions hereof. TO THE EXTENT PERMITTED BY LAW, ALL EXPRESS AND IMPLIED WARRANTIES (INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT) OTHER THAN THE EXPRESS LIMITED WARRANTY SET FORTH ABOVE ARE EXPRESSLY DISCLAIMED. UPON THE EXPIRATION OF THE ABOVE STATED LIMITED WARRANTY PERIOD, ANY AND ALL APPLICABLE IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT, ARE DISCLAIMED. SOME STATES DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO OWNER.

LIABILITY LIMITATION: In no event will PS Industries' liability to Owner or any other person or entity exceed the price paid to PS Industries for the defective Product. IN NO EVENT SHALL PS INDUSTRIES BE LIABLE TO OWNER OR ANY OTHER PERSON OR ENTITY FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT OR SPECIAL DAMAGES OF ANY DESCRIPTION, WHETHER ARISING OUT OF WARRANTY (INCLUDING ANY IMPLIED WARRANTIES) OR ANY OTHER CONTRACT, STRICT LIABILITY, NEGLIGENCE OR OTHER TORT, OR OTHERWISE, INCLUDING ARISING FROM INSPECTION OR REMEDY DELAYS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO OWNER.

THIS WARRANTY GIVES OWNER SPECIFIC LEGAL RIGHTS AND OWNER MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE.

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877.446.1519

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1150 South 48th Street | Grand Forks, ND 58201

Product Registration:
psindustries.com/contact/register-your-product